# Drive Proof
# HD Car Camera DAS-3000HD

## Introduction manual

www.driveproof.com

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# 1. Product Overview

The DAS-3000HD is a high quality vehicle black box video recorder, designed to provide you with **many hours of ~~Remove word~~ clear High Definition 1080P video & sound recordings** with integrated GPS location, speed and direction of travel.
(GPS Module optional)

The DAS-3000HD video files can be used as evidence in legal action, and motor vehicle insurance claims to prove liability. Often, the quality of vehicle black box recorders is low, failing to show number plates and faces clearly for identification.
The video quality from the DAS-3000HD is far above that of most ordinary black box recorders on the market today.

Using either a 16GB or 32GB memory card, the DAS-3000HD will capture many hours of continuous video divided into segmented data files for later retrieval and viewing. This model also provides extra edited copies of "special event" videos that are placed into a log file system and cataloged based on time and date.

These special event videos are triggered by the internal gyroscope that responds to impacts from car accidents, rough handling, heavy braking and acceleration.
The DAS-3000HD also announces status reports through voice prompts to aid the driver with the operation of the recorder.

**There are many car recorders on the market today, but there is only one DAS-3000HD.**

# 2. Main Features of the Product

## 1 Continuous Recording

The DAS-3000HD records continuously after powering up in crystal clear, "High Definition" video using a 5.0M Pixels Color CMOS Full HD camera. Vehicle location, speed, direction of travel, date and time are recorded through the optional GPS module and saved to Micro SD card for later retrieval.
The DAS-3000HD can also be configured to record while parked, recording vehicle interference or car accidents while you are absent.
The HIGH DEFINITION ultra clear images can be used to identify vehicle number plates and can be used as evidence in legal proceedings and insurance claims to determine accident blame or liability.

## 2 Event Recording

In addition to continuous recording, the DAS-3000HD automatically records special "Event" videos such as car accidents, into a separate "Event" memory folder.
Each event video file is triggered through the detection of shock jolting, sudden braking or acceleration, and sharp swerving of the vehicle.
These edited "event" videos are then color coded for easy identification when viewed with the Drive Proof software.

## 3 Emergency Recording

The DAS-3000HD is equipped with a red colored "Emergency Button" that when manually trigger, will store an "Event" recording for later viewing. These Emergency Recording Event files are also color coded "Red" for easy identification in the Drive Proof software.

# 2. Main Features of the Product

## 4 GPS Map Location

When fitted with the optional GPS module, the recording files will display GPS data showing accurate speed, direction of travel, including time and date. When connected to the Internet, the Drive Proof software, can also display a moving satellite/street map from the recorded GPS data inside the video files.

## 5 Audio Recording

The DAS-3000HD has a built-in microphone for Audio recording.
The internal microphone can be deactivated in the software settings if sound recording is not required.

## 6 Video Output Terminal

An AV output cable (optional accessory) can display "real time video" output from the DAS-3000HD and also playback recorded files onto a variety of display screens and devices. For example, when linked to an LCD monitor or Navigator GPS. Both video file playback and continuous video/sound recording can be done conjointly by this model without interference.

## 7 Parking Surveillance Mode

Ten minutes after parking or switching off the vehicle ignition, the DAS-3000HD will automatically change over to "Parking Surveillance Mode" activated by a motion detection sensor.

This feature requires the DAS-3000HD to be hard wired to a continuous power supply from the vehicle battery or an extra portable 12 Volt DC battery supply.

# 2. Main Features of the Product

## 8 Camera / Camcorder Function

The DAS-3000HD has an internal battery supply that when fully charged, can provide 10 minutes of continuous use when removed from the vehicle power supply. In this way you can use the device as a Digital Camera and/or Camcorder. This model is also capable of taking single image photos using the function button.

## 9 Automatic Power Disconnect Function

In order to avoid Depleting your car battery, the DAS-3000HD will automatically disconnect from the vehicle power and shut down if the car battery goes under 11.8V

Designed to stop the vehicle's battery from being depleted from continued operation in "Parking Surveillance Mode"

## 10 Micro SD card Format function and Memory card precautions

- We recommend that you reformat the SD memory card once per a week (using the exterior format button on the camera) to keep the card in good condition and to reduce the chance of data errors.
- All memory cards have a limited operational life expectancy. Heavy use of a memory card over an extended period of time can result in degraded recording quality and data errors. Under heavy daily use, Drive Proof recommends that customers purchase and replace memory card (compatible with the DAS-3000HD) every 3 to 6 months. Extended use of a memory card beyond this recommended time period may result in the loss of data or failure to record. The quality and longevity of all memory cards is beyond the control of Drive Proof and its distributors / resellers.
- Do not use electronic products in high humidity / high temperature atmospheres due to the possibility of corrosion and failure.
- All memory cards are prone to damage due to static electricity or external voltage. To avoid this type of damage, always store your Micro SD card in the supplied anti-static snap lock case when not in use.
- Recorded data can be destroyed or erased through improper use of the DAS-3000HD.

# 3. Product Accessories & Specifications

Please make sure all of the product/accessories you ordered are included.
Please contact your product Dealer/Reseller in case of missing or wrong items.

Device

Camera Mount

Power Cable

Quick Guide

Micro SDcard (16GB)

SDcard adapter for computer use

Cable Holder

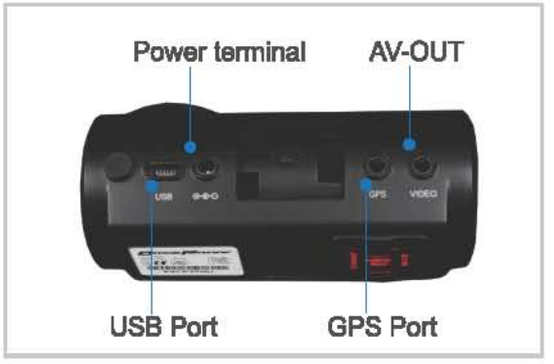
USB Cable

GPS Module (optional)

AV Cable (optional)

| | |
|---|---|
| Camera | 5.0M Pixels Color CMOS Full HD |
| Angle | 140 degree (Diagonal) |
| Extension Method | Video : H.264 / Audio : AAC |
| Recording Resolution | Full HD (1920X1080), HD(1280X720) |
| Recording Frame | Max. 30FPS |
| Recording Memory Recycling | Automatic recycling/overwriting of oldest data files allowing continuous recording |
| Driving Recording Time (Based on 32GB SDcard) | Normal: Edited into 3 minute video files<br>(Provides 1 / 3 / 5 minute edited file size. changeable in software settings) |
| Event Recording Time | 720p : pre. 10 seconds / Post. 10 seconds<br>1080p : pre. 5 seconds / Post. 15 seconds |
| G-Sensor | Internal 3D G-Sensor |
| GPS | External GPS module (~~Option~~) |
| Data Storage | SDHC Micro SD Card 16GB~32GB supported |
| Audio | Built-in Microphone |
| LED | 2 LED(Power, System status) |
| AV-OUT | Connectable with other display devices |
| Viewer Program | Proprietary viewer program and other media players |
| Power supply / Power Consumption | DC 12V (280mA) ~ 24V |

# 4. Parts Identification



# 5. Precautions before Installation & Tip

## For your safety, please read the following precautions prior to installing the device

① Turn off the ~~vehicle~~ ignition and ~~removing~~ the ignition key.

② When installing the unit, please use a well lit environment to avoid accidents.

③ Only connect the power cable to a fused cigarette lighter jack. (DC 12V~24V)

④ If you choose to connect the DAS-3000HD directly to the vehicle battery supply using our optional - long power lead and battery analyzer, please consult a professional installer who can install a fuse suitable for safe operation of your vehicle.

## Installation Tips

① Device – Attach camera to the front windshield of the vehicle.

② Wires – Connect camera cables and organize wires.

③ Camera – Adjust camera angle down 15 to 20 degrees for best viewing.

④ Memory – Insert Micro SDcard into the device.

⑤ Power – Connect power cable to the device and cigar jack. When the vehicle engine is turned on, the device will automatically power up.

**NOTE**

During the first power up cycle or after a reformat, the DAS-3000HD will begin the formatting process. The red LED lamp (on the front of the camera) will blink while it creates the new folder structure inside the memory card. The LED will blink for around 10 minutes during the formatting process. Please do not turn the power off until the red LED lamp stops blinking.

⑥ Operation – Start the vehicle ignition and conduct a test drive.

⑦ Play – Play back the video files to double check proper recording.

**IMPORTANT NOTE**

Please power down the device before inserting or ejecting the memory card.

# 6. Installation

1. Remove the DAS-3000HD from its packaging and insert the Micro SD memory card into the memory card slot.
2. To access the card slot, lift up the rubber “dust flap” on the side of the unit and push in the memory card until you feel a “click” and then release. Make sure this procedure is done when the unit is switched OFF. Running the DAS-3000HD without a memory card in not recommended.
3. In order to eject the memory card, firstly remove the power cable and power down the device. Press the card in slightly until it “clicks” and then release. The memory card will pop-out slightly allowing easy removal.

**IMPORTANT NOTE ▼**

Only use a Micro SD memory card recommended by the manufacturer.
The use of other memory cards may result in recording errors and data loss.
Never use tools or force to eject the memory card as this may result in damage to the device and void your Warranty

4. To insert the camera, slide the left side of the bracket “shoe” into the camera recess mount. Then raise the right side of the camera until it “clicks” into place and locks
(see picture left)

5. The camera is held in place by a locking lever. To remove the camera, move the locking lever to the left, allowing the right side of the camera to drop down and slide free. To adjust camera angle and direction of the camera, unscrew the base as seen left. Then tighten the base screw lever again to lock it in place.

# 6. Installation

6 Select a suitable location for the camera on the windshield that does not block the driver's range of vision. Make sure to clean the windshield glass, then remove the double-sided adhesive tape and attach the base mount by pressing firmly against the glass. Angle the camera down 15 to 20 degrees horizontally for best perspective view when recording.

7 Select a position on the windshield where the GPS module does not block the driver's range of vision at least 20 in away from the camera to avoid electronic interference. Pre-clean the windshield glass for a solid lasting attachment of the GPS module, then connect the GPS cable to the camera black box.

**IMPORTANT NOTE**

Only use a GPS module supplied by the manufacturer.

8 Insert the power cable into the cigarette power jack and turn on the vehicle ignition. After vehicle ignition or engine start, your DAS-3000HD will always go through a 30 second boot cycle before the camera is able to start recording.

**IMPORTANT NOTE**

During the first boot up operation the status LEDs will BLINK for about 10 seconds while the device formats the memory card and creates a folder structure. Please don't turn off the power while the LEDs are blinking.

# 7. Using the Video Cable

1. Firstly power down the camera and remove the power cord.
2. Connect the video cable jack into the Video-Out port on the device.

3. Connect the AV cable to the external AV port on the DAS-3000HD.
4. Insert AV cable into the input terminal of the external AV device.

5. Reconnect power cable and switch "ON" the DAS-3000HD.
   Then switch on the external AV display device.
6. Set your ~~Navigator~~ or LCD display to "AV-in mode".
   Video images will then be displayed on external AV devices.
   (Navigator, LCD monitor etc.)

**IMPORTANT NOTE ▼**

Some external AV display devices may not display recorded data due to compatibility issues. When connecting an external AV device, the quality of video may deteriorate due to cable noise.

# 8. Using the DAS-3000HD AV Player Function

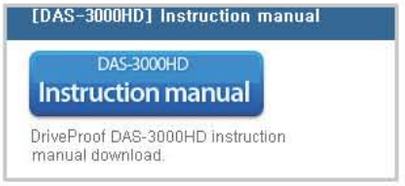
1 To enter PLAY mode connect an AV monitor and press EMERG/REC button for around 5 seconds.

2 The recorded file will be displayed on the monitor screen with a voice prompt guide 'Change to Play Mode.'

3 Use the Left/Right buttons to move through previously recorded video files.
Left button displays NEXT video file.
Right button displays PREVIOUS file.

4 To end PLAY mode, press EMERG/REC button for around 5 seconds. The device will return to REAL-TIME recording mode. (Be aware that you may not exit PLAY mode the first time due to side slip of your thumb)

# 9. Installing the Drive Proof Viewing Software




**1** Download DAS-3000HD viewer software from www.driveproof.com
Then unzip the file to your computer hard drive. Click /Double Click the "Setup.exe" file to begin the installation

**NOTE**
A free copy of WinZip is freely available to unzip and expand the downloaded file.
Download from www.winzip.com

**2** Follow the on screen instruction pressing 'next' button.

**3** Finally, click the 'close' button when the installation has completed.

**4** The Drive Proof icon will be displayed in the Windows menu bar.
Double click the icon to run the Drive Proof viewing program.

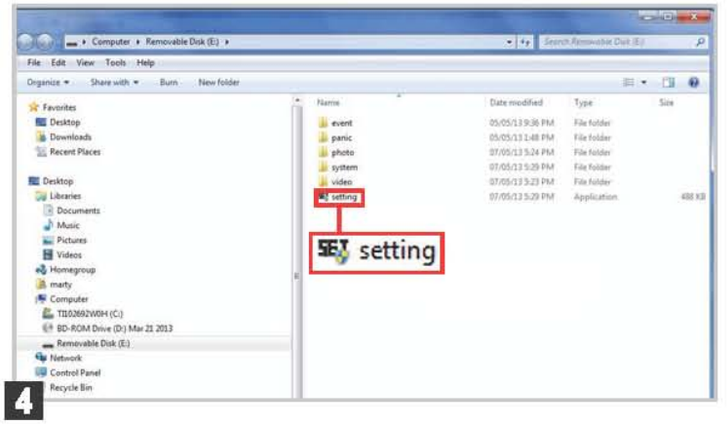
# 10. Connecting DAS-3000HD and Computer

1

1 Connect the DAS-3000HD to the computer using the USB cable provided.

2 The camera will take 30 seconds to boot up after which time the red status LED on the front of the camera will extinguish.

3 A voice prompt "USB has been connected." will then be heard from the camera. The camera memory card will be read and displayed with a drive letter in Windows Explorer.



4

4 Using the Windows Explorer - File Manager, you can access and display the camera memory card contents.
You may "Double Click" the 'SET' setting icon on the memory card to start the SETTINGS program.

**IMPORTANT NOTE ▼**

To run the SETTINGS software, the DAS-3000HD must be connected to the computer using supplied USB cable. The software will NOT run on the micro SD card by itself.

# 11. Software Settings for DAS-3000HD

Before starting the Drive Proof viewing software, connect the DAS-3000HD to the computer (following the instruction in item 9).
Make sure that the SD memory card is inserted correctly.

"Click" the Drive Proof software icon on the Windows Desktop to start the viewing program. Click the "Viewer Settings" button on the bottom menu panel to display the settings panel (See below.)
You can now configure the image recording quality, frame rate and video compression rate. You can also alter a number of settings relating to the recording sensitivity of the internal gyroscope.

# 11. Software Settings for DAS-3000HD

| | |
|---|---|
| 1 **Recording Mode** | Select video recording mode, Full HD or HD recording modes available.<br>(Note: This change will affect screen recording size.) |
| 2 **Video Compression** | User selectable video compression rate - High / Main / Baseline |
| 3 **Video Quality** | User selectable video quality - Ultra High / High / Normal<br>(Note: higher video quality takes more memory per video file.) |
| 4 **Video Flip** | User can switch the right side and left side of screens for correct recording and viewing.<br>'Default De' is for basic mode and 'Flip' is for switch the right side and left side of screens. |
| 5 **Recording Frame Rate (Driving)** | User selectable recording frame rate while in driving mode - 30fps / 24fps / 15fps / 5fps.<br>(Note: Highest frame rate gives best real-time vision.) |
| 6 **Recording Frame Rate (Parking)** | User selectable recording frame rate while in parking mode as one of 30fps / 24fps / 15fps / 5fps.<br>(Note: Highest frame rate gives best real-time vision.) |

# 11. Software Settings for DAS-3000HD

| | |
|---|---|
| 7 Recording Duration (Driving) | User selectable video file recording duration (Breaks long driving recordings into smaller file sizes for easy viewing. Set to 1min / 3min / 5min. file length.) |
| 8 G-Sensor Sensitivity (Driving) | A user can control the G-sensor sensitivity while in driving mode. |
| 9 G-Sensor Sensitivity (Parking) | A user can control the G-sensor sensitivity while in parking mode. |
| 10 Change to Parking Mode (Auto/Manual) | A user can select parking mode activation. - Auto / Manual.<br>(Note: "Auto" setting will switch into parking mode when vehicle ignition is turned off.) |
| 11 Motion Detection Sensitivity (Parking) | A user can selected motion detection sensitivity while parking. |
| 12 Brightness at night | A user can control recording brightness at night. |
| 13 Audio Volume | A user can control audio volume (Controls internal speaker volume of driving alerts) |
| 14 Audio Recording | A user can choose to record video files with or without audio from internal microphone. |
| 15 Alarm Sound (Motion Detection) | A user can control alarm sound. Select "OFF" to remove audible "beep" alert when the G-sensor is activated. |
| 16 Memory Allocation | A user can control memory allocation in the folder structure. |
| 17 Time & Date | A user set the internal Time & Date (Sets time/date stamp on video files.) |
| 18 Open viewer | A user can open and move to viewer page.<br>(Remember to save settings first, if you have made settings changes before moving to viewer page.) |
| 19 Default setting | A user can return all configuration settings to the factory "default" settings. |
| 20 SAVE | A user must click the "SAVE" button in order to keep any changes made to the settings. |

# 12. Time & Date Setting

① Connected your DAS-3000HD (with memory card inserted) to the computer using the supplied USB cable.

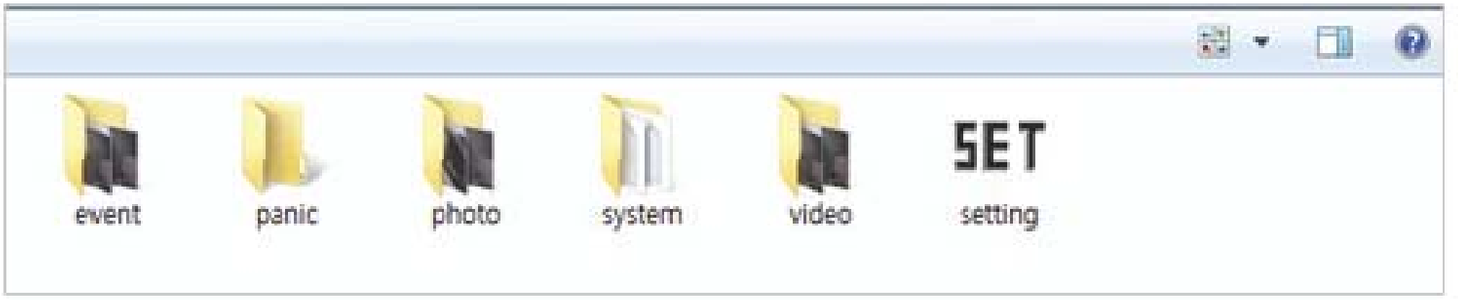
② Double click Drive Proof icon to begin running the viewer software.
Next click the 'Viewer Setting' icon to move to the settings page.

③ When you press the 'SAVE' button, the DAS-3000HD will automatically synchronize time and date information with your PC.

# 13. Recording time (Full Capacity of 16GB/32GB)

**The DAS-3000HD is capable of recording many hours of driving on the one 16GB or 32GB memory card before the card becomes full. When the memory card becomes full, the black box recorder will over-write the oldest video files in a continuous loop so you never run out of space. (See memory card usage precautions)**

## File Folders




When the micro SD memory card is reformatted or inserted into the camera for the first time and booted, a file directory structure in automatically created onto the memory card as follows:

**Event / Panic / Photo / System / Video**

Continuously recorded video files are placed into the "Video" folder and recycled automatically when the memory card becomes full. (The oldest files are overwritten first.) Vehicle accidents and driving events triggered by the internal gyroscope are placed into the "Event" folder. All videos triggered by the "Emergency Button" are stored into the "Panic" folder. Photos triggered manually are stored into the "Photo" folder.
You can access the video files by plugging the DAS-3000HD or only its memory card into a computer to access the folders directly. The best way to view the video files is though the Drive Proof viewing software that can be downloaded from www.driveproof.com

# 13. Recording time (Full Capacity of 16GB/32GB)

## Selecting Video Quality and Recording Time.

The DAS-3000HD automatically edits video files into smaller segments for easy logging, viewing and retrieval. (See chart below) The size of each video file is set according to the video recording quality and memory card capacity.

**NOTE**

the table below In NOT a table of total recording time or capacity. Both the 16GB and 32GB cards can record many hours of video on the one card.

| Resolution | Quality | 16GB | | | 32GB | | |
|---|---|---|---|---|---|---|---|
| | | 15fps | 24fps | 30fps | 15fps | 24fps | 30fps |
| 720p | Low | 17:41 | 11:07 | 9:04 | 36:09 | 22:44 | 18:33 |
| | Mid | 15:40 | 8:57 | 7:55 | 32:02 | 18:10 | 16:12 |
| | High | 12:32 | 7:50 | 6:22 | 25:37 | 16:01 | 13:03 |
| 1080p | Low | 9:04 | 5:36 | 4:49 | 18:33 | 11:27 | 9:51 |
| | Mid | 7:55 | 4:55 | 4:13 | 16:12 | 10:04 | 8:39 |
| | High | 6:22 | 3:56 | 3:23 | 13:03 | 8:03 | 6:56 |

**Example:** If the DAS-3000HD is fitted with a 32GB memory card and records in 1080p quality, at 30 frames per second, the full recording capacity will be 6 hours 56 minutes.
Although the memory card becomes full after 6 hours 56 minutes of recording, the camera will automatically over-write and delete the oldest video files so that continuous recording is never interrupted.

## Video Segment Size

To aid searching and finding your desired video file quickly, the DAS-3000HD automatically edits and saves your driving trip into several short video file segments on the micro SD memory card. You can preset the video segment file size from the viewer setting page. Select either 1 minute / 3 minutes / 5 minutes.

# 14. Drive Proof Operational Instructions

| | | | |
|---|---|---|---|
| **Menu Buttons** | The Green - Red – Blue – Gold and Purple folder icons (see below) are toggle switches. Pressed once, the buttons will remain toggled in the down position and display video files of that particular type.<br><br>Example: Press the "Red" and "Gold" icon buttons down will make the "Emergency" video files and the "Parking" video files visible in the display window. All other files will be filtered and hidden from view. Toggle all buttons down will display all video file types in the display. | | |
| | Open the video folder | "Normal" driving video files will be displayed when toggled switch down. | Toggle down to view "Emergency" recordings |
| | Toggle down to view "Event" recordings | Toggle down to view "Parking" recordings | Toggle down to view Impact recording in parking mode |
| | Save the video file | Delete the file list | Search the file per date (Calendar Window) |

# 14. Drive Proof Operational Instructions

| | | |
|---|---|---|
| **Windows button** | Hide the window | End of program |

| | | | | |
|---|---|---|---|---|
| **Button Operation** | Open the previous file | Go to the previous frame | Play | Stop |
| | Pause | Go to the next frame | Open the next file | |
| | LESS Decrease Brightness | DEFAULT Basic Brightness | MORE Increase Brightness | |
| | x0.5 Play the video by 0.5 times speed | x1.0 Play the video by original speed | x2.0 Play the video by 2 times speed | |

| | | | | |
|---|---|---|---|---|
| **Screen Configuration** | The whole screen viewing | cinematic screen capture | environment configuration | GPS information conversion |

**IMPORTANT NOTE**

The DAS-3000HD must be connected to the computer via USB cable before being able to change the interface settings. See USB connection and boot up procedure item 9 & 10

# 15. Camera Button Operation

| | Function | 1 PWR/USB (UP) | 2 SNAP (Down) | 3 Format (Left) | 4 MUTE (Right) | 5 Emerge/REC (Center) |
|---|---|---|---|---|---|---|
| **Recording** | Emergency Recording | | | | | Short |
| | Take Picture | | Short | | | |
| | Audio Recording ON/OFF | | | | Short | |
| | Intention to Format | | | Short | | |
| | Confirm Formatting | | | Long | | |
| | Power of internal battery OFF | Long | | | | |
| | Check product status | Short | | | | |
| | Forced change to parking mode (motion detection) | | | | Long | |
| | Forced change to regular mode | | | | Long | |
| | Change to USB mode | Long | | | | |
| **Playing** | Start playing mode | | | | | Long |
| | playing of previous data | | | | Short | |
| | Playing of next data | | | Short | | |
| | End playing mode | | | | | Long |

# 16. Camera Button Commands

## Formatting Button

① To format the internal memory card, press the left side-button once (short press).

② A voice prompt will then guide you through the formatting process. The first voice prompt will request that you "push the button again to format". Give the left side-button one long press to confirm the format command.

③ After you hear "Formatting has started", please wait while the formatting process completes. This can take several minutes for a 32GB memory card. Do NOT turn off the power during the format process. The next voice prompt will announce that the formatting process has completed. The DAS-3000HD will then go through a 30 second re-boot cycle.

④ After re-booting, you will hear the voice prompt "Recording has started." The camera is now in normal operation mode and recording.

## Digital Camera Mode

① To use the DAS-3000HD in single shot camera mode, remove the camera from the base and disconnect the power and GPS cables. You will hear the voice prompt "Change to built-in battery mode"

② To take digital photos, press the bottom 'SNAP' button (short press). You will hear a "click" sound from the DAS-3000HD. For each press, one photo is taken.

③ Pictures are automatically saved into the 'photo' folder on micro SD memory card.

## Audio Recording ON/OFF

① If you want to turn off the audio recording while the recorder is running, press the right 'MUTE' button (one short press). The voice prompt will confirm by announcing "Audio recording has stopped".

**NOTE ▼**

After the next reboot, the audio recording will recommence – unless deactivated in the device settings.

② If you want to turn audio recording back on again while the recorder is running, press the 'MUTE' button (one short press). To confirm you will hear the voice prompt "Audio recording has started."

# 17. Firmware Upgrades

During the life time of the product, the manufacturer may make changes to the product firmware necessitating the customer to download and install the firmware onto their DAS-3000HD device.

## The steps are quite simple but must be followed in order.

① Power down the DAS-3000HD and remove the micro SD memory card from the device.

② Load the micro SD card into the SD card adapter and load the adapter into a laptop or desktop computer. (must have SD card slot)

③ Using Windows Explorer, right click the SD card in the left menu and select "Format."

④ Choose FAT32 file system and tick "Quick Format" before starting the format process.

⑤ When completed, copy the downloaded firmware files onto the formatted SD card and remove from the computer.

⑥ Load the SD card into the DAS-3000HD and power up using the vehicle power supply. The unit will take 30 seconds to boot up after which time the voice prompts will speak you through the upgrade process. (Do not turn the power off during the upgrade)

⑦ When the voice prompt finally announces that "the device is now recording" the upgrade is completed.

⑧ You may now re-format the memory card again to remove the upgrade files so you have a clear memory card for recording. This time you can use the "format" command on the back of the DAS-3000HD

# 18. Trouble Shooting

**Have you read the manual from front to back? Most problems are caused by NOT reading the manual carefully.**

| | Problem | Fix |
|---|---|---|
| **Recording** | Fails to record files or poor quality recording | ① Remove and re-insert memory card and check that it "clicks" when inserted. Do NOT use force went installing or removing the memory card.<br>② Reformat the Memory card. If this fails try inserting a new memory card. |
| | Fails to record audio on video files | Connect DAS-3000HD to a computer and run Drive Proof software. Change the Viewer Settings AUDIO Recording "ON" |
| **Playing** | Speed does not appear on video files. | Make sure that your GPS module is connected to the DAS-3000HD |
| | No GPS data on the bottom of recorded videos | Although most computer video programs will display the recorded file, some programs will NOT be able to display in full HD size, cutting off the bottom portion of the video screen use the Drive Proof Video Player software. |
| | GPS Data does not display during Playbacks | GPS data may not be displayed if GPS reception is poor, or the video file is of poor reproduction quality. |
| **Operation** | Computer fails to recognize device when connected by USB | ① After connecting DAS-3000HD to a computer, the camera will take 30 seconds to boot up. Wait for Audible prompt "USB has been connected." Now start (or restart) the Drive Proof viewer software.<br>② If Windows fails to recognize the device you may need to repeat the above process. Remove and re-connect the USB cable – go back to set 1. |
| | Fails to record audio on video files | Connect DAS-3000HD to a computer and run OTOSAVER software. Change the Viewer Settings AUDIO Recording "ON" |
| | Can't remove memory card | To insert card make sure it is the right way around and push until you feel a "click" and release. DO NOT FORCE THE CARD.<br>To remove push in the memory card until you feel a "click" and then release. The car will pop out slightly allowing removal. |

# 19. Special Precautions

**Please read the following precautions carefully:**

① Do not connect your DAS-3000HD directly to your vehicle battery power source, without first consult a professional installer for advice or assistance.

② Do not repair or modify the product. Any consumer's alteration will avoid your warranty.

③ The device is NOT splash proof. Contact with water will void your warranty.

④ Do not expose the product to chemical liquids, fire or electronic shock.

⑤ Avoid excessive impact, and do not use force to remove or insert the memory card.

⑥ Do not use foreign objects to remove / insert the memory card.

⑦ Keep the camera lens clean and free from dust and grime for clear recordings.

⑧ Do not operate the product while driving.

⑨ Video image quality can be degraded when driving into the sun, in late afternoon and in the absence of an external light source. (This is a feature of most cameras)

⑩ Locating the device behind a tinted windshield or window may reduce video quality.

⑪ Please only use the cables supplied by Drive Proof and follow the installation guide carefully. Failure to do so will void your warranty.

⑫ Make sure your DAS-3000HD is correctly fused when connected to the vehicle battery power supply.

⑬ In order to receive a good GPS signal, place the GPS module on the vehicle windshield with a clear view of the sky (approx 20 in from the camera to avoid electrical interference.)

⑭ Voltage : DC 12V ~ 24V

⑮ Operating temperature : -68 F ~176 F or -20C ~ 80 C degrees.

# 20. Micro SD card Usage & Precautions

① Never insert or remove the Micro SD memory card from the DAS-3000HD while it is "reading", "recording" or "formatting". Only insert or remove the memory card when the power is OFF. (Remember that the DAS-3000HD can record for 10 minutes on Internal battery. So make sure the unit has switched off.)

② Do not remove the SD memory card during recording. It will cause data loss and other functional errors.

③ All memory cards have a limited operational life expectancy. Heavy use of a memory card over an extended period of time can result in degraded recording quality and data errors. Under heavy daily use Drive Proof recommend that customers change to a new memory card (compatible with the DAS-3000HD) every 3 to 6 months. Extended use of a memory card beyond this time period may result in the loss of data or failure to record. Regularly check and view the recorded video files to double check that the SD memory card is operating correctly.

④ All memory cards are prone to damage due to static electricity or external voltage. To avoid this type of damage, always store your Micro SD card in the supplied anti-static snap lock case when not in use.

⑤ Check that the device power LED lamp is working.

⑥ Only use the same micro SD memory card as supplied by Drive Proof.

⑦ The DAS-3000HD can use either a 16GB or 32GB micro SD memory card.

⑧ Always back up important video files onto separate storage devices such as HDD, CD, DVD or USB thumb drive etc. Failure to keep backup copies will inevitably result in loss of important video files.

⑨ We recommend that you reformat the SD memory card once per every week (using the format button on the DAS-3000HD) to keep the card in good condition and to reduce the chance of data errors.

# 21. Special instructions for data storage

Do not use electronic products in high humidity / high temperature atmospheres due to the possibility of corrosion and failure.

Do NOT leave important recorded video files on your DAS-3000HD memory card because they may be overwritten and permanently deleted.

# 22. Warranty

Drive Proof manufactures its products using top quality parts and components, in accordance with industry best practices.

The warranty covers the DAS-3000HD for all defects in materials and workmanship for a period of 1 year from the date of purchase. The SD memory card is an accessory and is covered by our limited warranty for a period of 3 months from the time of purchase. The warranty does not apply if the unit or memory card has been subject to physical abuse, improper installation, modification, or serial/type number labels on products have been removed. Remember to keep your receipt or proof of purchase.

The enforceability of this warranty is limited to the original consumer purchaser. It is not transferable to, or enforceable by, any subsequent owner. In the event of a defect, malfunction or other failure to conform to this warranty, Drive Proof will, at its sole discretion, repair or replace the unit at no charge. The customer is responsible for all shipping costs in connection with warranty service pursuant to this warranty.

The DAS-3000HD warranty commences on the date of the retail purchase and shall be effective for a period of 1 year. There are no express warranties covering the unit other than those set forth in this warranty. All implied warranties are limited to the period of the warranty and no warranties, expressed or implied, extend beyond this period. Drive Proof will in no event be liable for any consequential, incidental, indirect or special damages (including, but not limited to, lost profits) arising out of or in connection with the use, misuse or malfunction of the unit.

# 23. Limitation of Liability

Drive Proof, its resellers and affiliates shall not be liable for special, indirect, incidental or consequential damages, loss of profits or production or commercial loss in any way connected with these products, whether such claim is based in contract, warranty, negligence or strict liability. Further, in no event shall liability of the manufacturer, reseller or its affiliates exceed the individual price of the product on which liability is asserted.

Contact Drive Proof for a service center or sales representative near you.

# 24. Service Support

**Web** : www.driveproof.com
**E-mail** : support@driveproof.com
**Tel** : (850) 683-8787
**Fax** : (850) 682-0083
**Business Hours** : 9 am – 5 pm , Monday - Friday

# Memo

# Memo

www.driveproof.com
support@driveproof.com